



Propeller Health

Evidence-based digital care for chronic respiratory disease.



10 FDA clearances
7 CE marked devices



35+ peer-reviewed
publications



100k+ patients
enrolled

Propeller is a connected health platform for asthma and COPD care

01

Bluetooth sensors record usage data for rescue and controller medications.

02

Sensors sync with **mobile app** (smartphone) to track usage and send dose reminders.

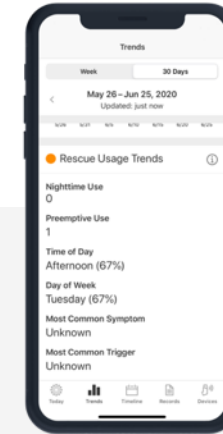
03

Care teams receive **reports** of medication use and notifications of high-risk patients.

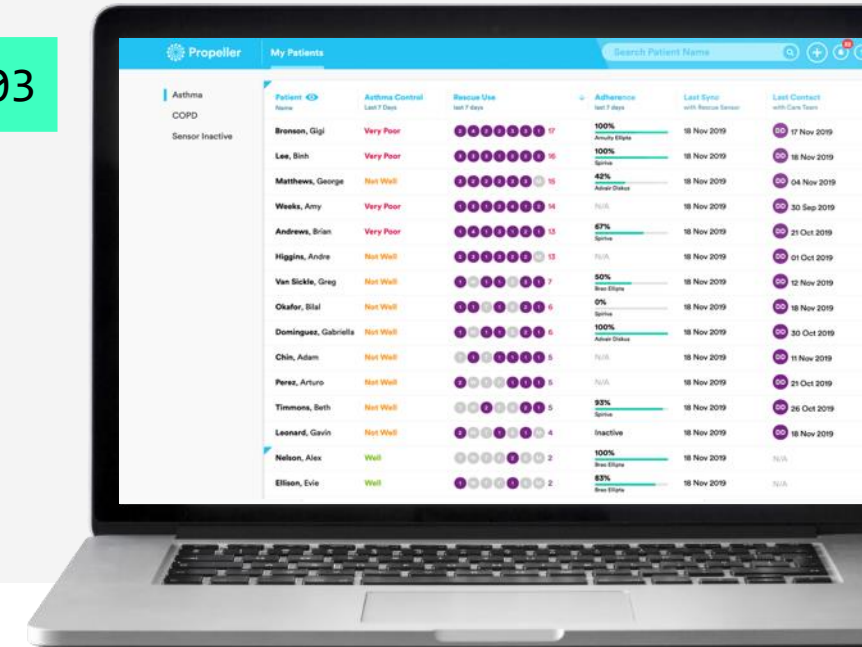
01



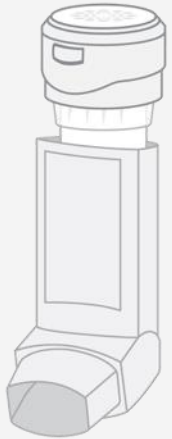
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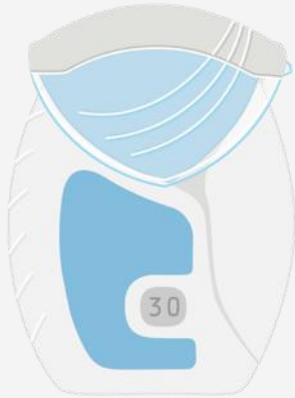
03



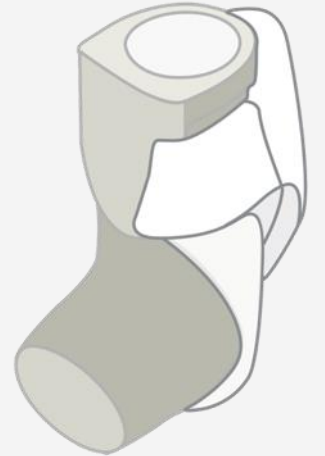
Propeller sensors work with the majority of inhalers on the market



Multiple brands



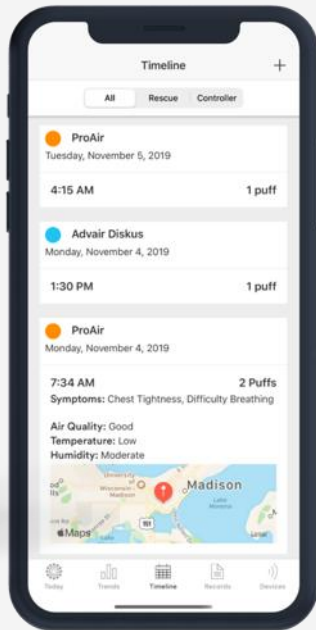
Multiple brands



This includes sensors for MDI, Respimat, Diskus, Ellipta and Symbicort medications.

Right treatment. Right time. Right site of care.

New sources of sensor-generated and patient-reported data enable better treatment and patient experiences—leading to better care for lower cost.



Medication adherence

Medication use trends

Patient risk stratification

Change in clinical status

Notifications of decline in clinical status

Environment and location information



Patient report

Monthly reports identify clinically actionable patient trends. They are available in the Portal and can integrate with EHR workflows.

01

Condition control status

02

Nighttime rescue inhaler usage

03

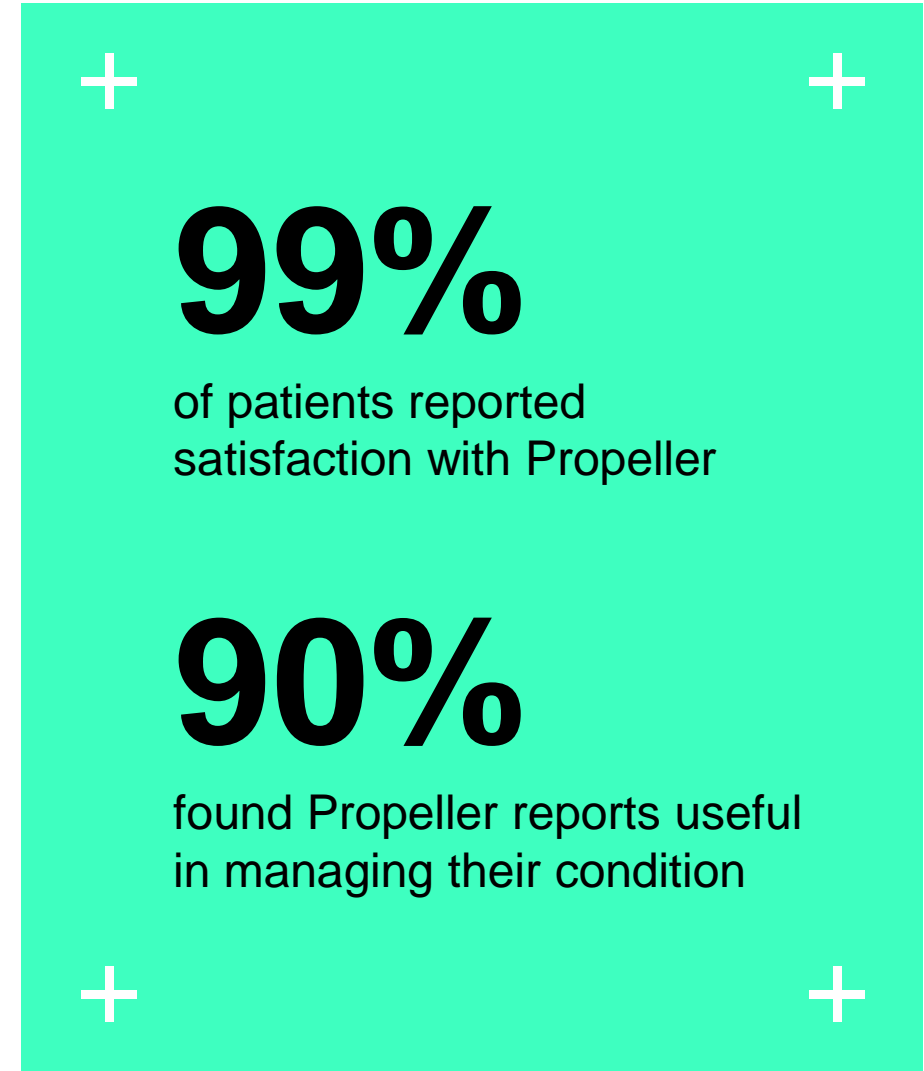
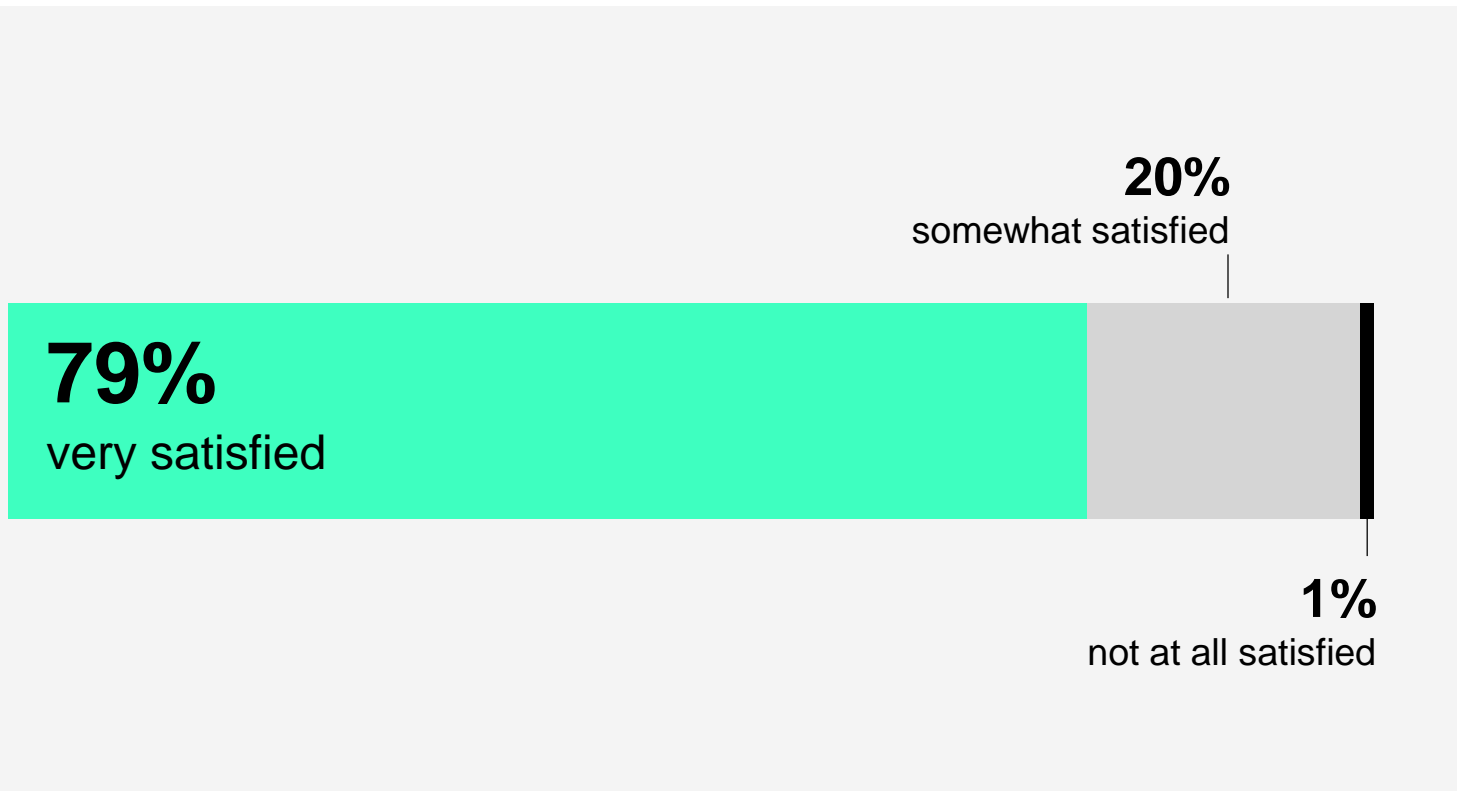
Controller medication adherence rates

04

Monthly ACT score



Patients with asthma and COPD expressed high levels of satisfaction with the Propeller experience



Merchant et al. (2018). JMIR mHealth uHealth

Clinical outcomes

58%

Improved medication adherence¹

78%

Less rescue inhaler use²

35%

Reduction in COPD-related healthcare utilization³

57%

Reduction in asthma-related healthcare utilization⁴

1. Van Sickle et al. (2016). *Eur Resp J*

2. Merchant et al. (2016). *J Allergy Clin Immunol Practice*

3. Alshabani et al. (2019). *J Telemedicine and Telecare*

4. Merchant et al. (2018). *World Allergy Organ J*



Member experience



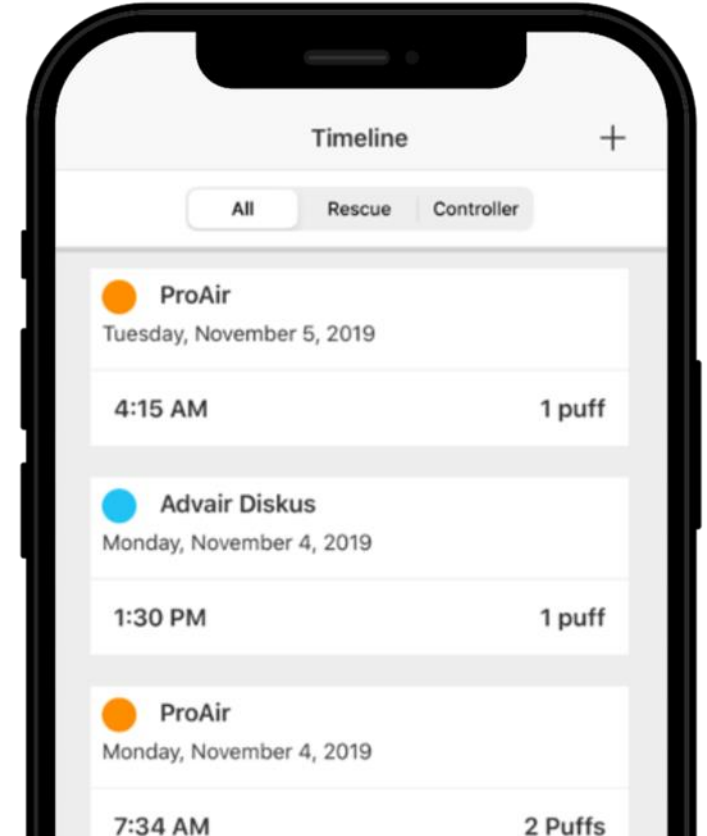
Propeller improves medication adherence



**Audio reminders on
controller sensors**

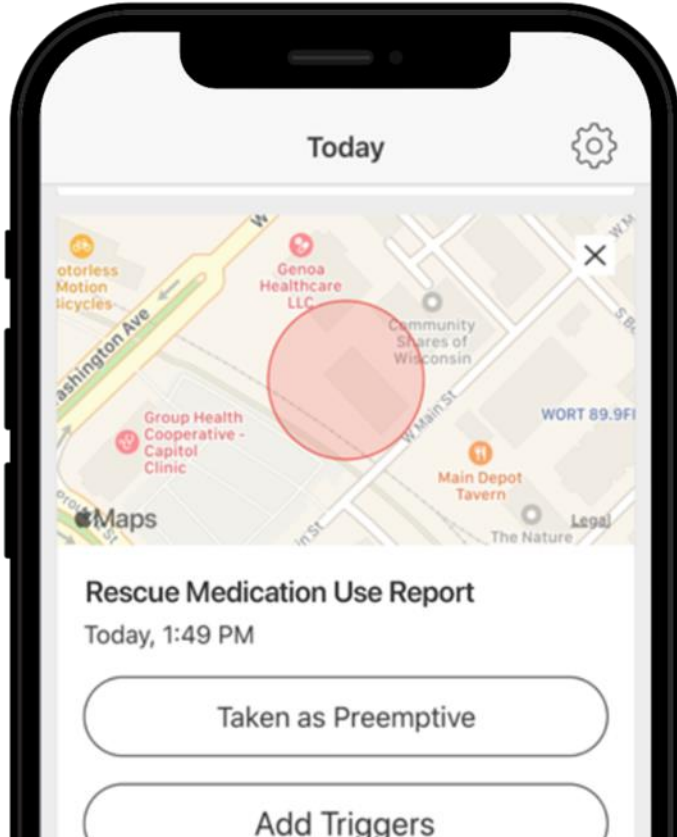


**Push notifications for
missed doses**

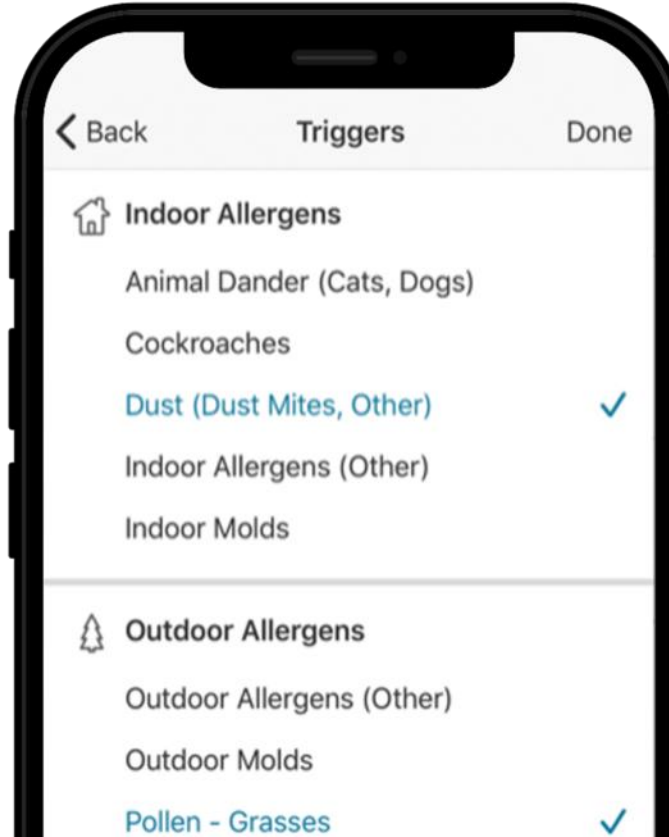


**Medication confirmation
card in the app**

Propeller helps members identify their triggers



**Rescue use
card in-app**



**Member logs
symptoms/triggers**

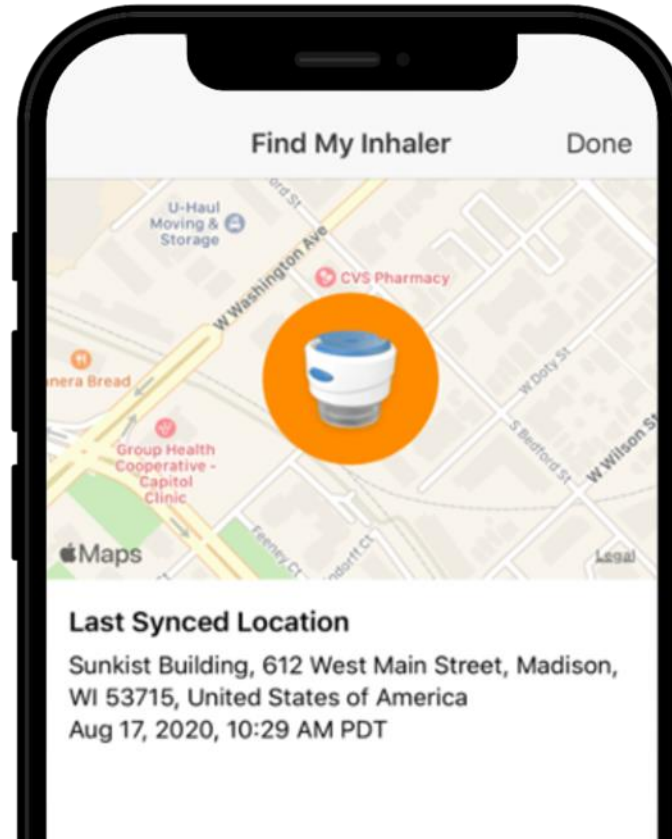


**Personalized tips to
avoid triggers**

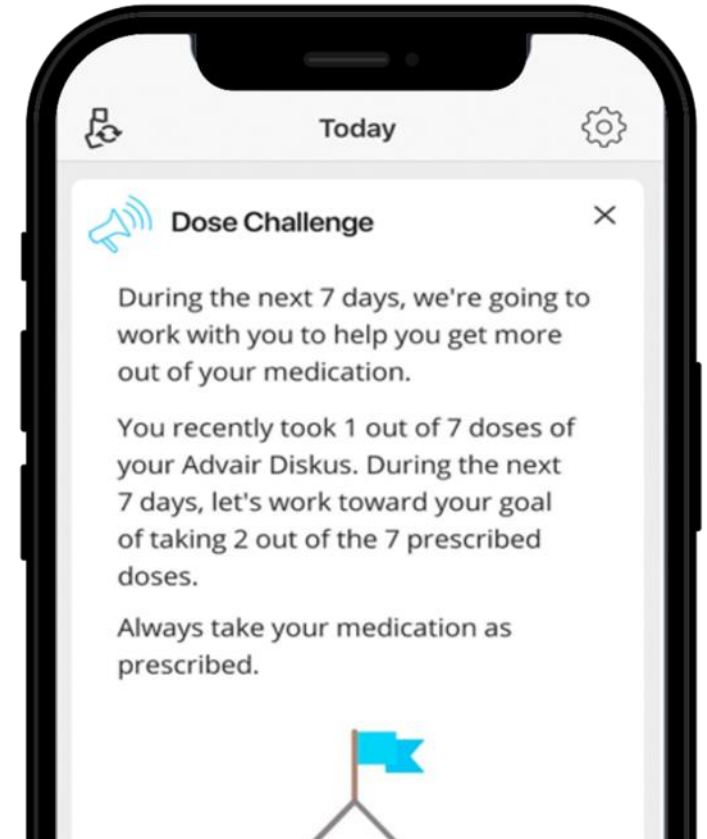
Propeller keeps members engaged



Daily Asthma Outlook



Find My Inhaler



Dose Challenge

Propeller keeps doctors and patients informed

Verizon 11:19 AM 42%

Back Asthma Control Test Cancel

In the past 4 weeks, how much of the time did your asthma keep you from getting as much done at work, school or at home?

All of the time

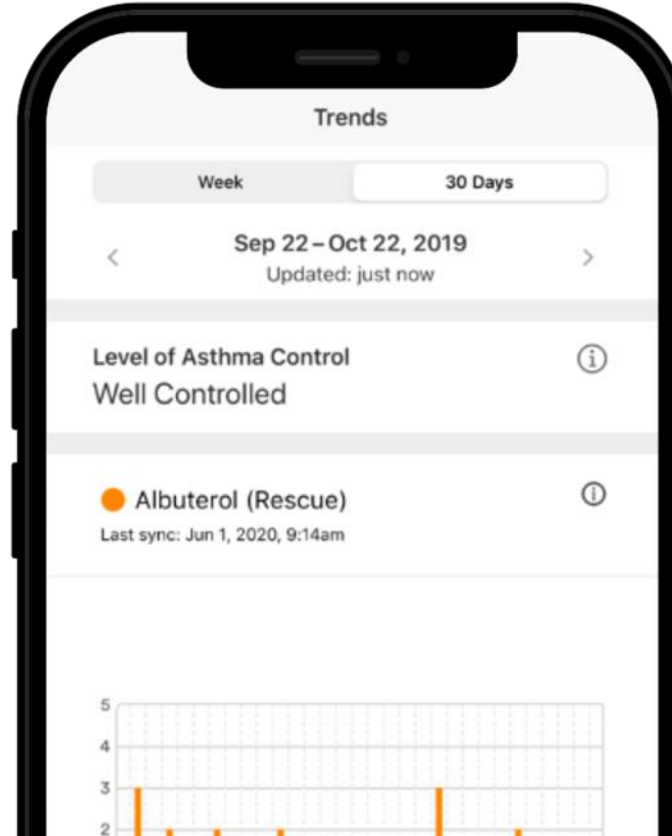
Most of the time

Some of the time

A little of the time

None of the time

Asthma Control Test,
COPD Assessment Test



Trends Reporting



Patient Report

What patients say



Dawn is a 42-year-old female with asthma. She was diagnosed with asthma in her 30s, but her asthma has recently worsened and become more limiting.



PROBLEM

- + After an extreme respiratory infection episode, Dawn's asthma was out of control. Daily activities around the home were difficult. Walking up a flight of stairs felt suffocating.

PROPELLER INTERVENTION

- + Within weeks, Propeller helped Dawn see that her rescue inhaler use was above normal and she wasn't taking her daily Qvar as her doctor prescribed. Despite improving her Qvar adherence, Dawn was still symptomatic and noticed specific times and places where she was having flare ups.
- + Using the information from Propeller, Dawn and her physician revised her action plan and stepped up her treatment regimen.

RESOLUTION

- + Dawn's asthma was brought under control and she returned to her normal daily activities.



"I can go to the doctor on a good day and show him all the bad days. The information has helped fine tune my treatment plan. Asthma is a horrible, life-threatening disease that has no cure, but the Propeller sensor and app have become great tools that help improve my daily quality of life." - Dawn